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(71) Applicant (for all designated States except US): **NY-COMED DANMARK APS** [DK/DK]; Langebjerg 1, DK-4000 Roskilde (DK).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BØNLØKKE**, Lisbeth [DK/DK]; Niels Ebbesens Vej 18 A, 1.sal, DK-1911 Frederiksberg C (DK). **CHRISTENSEN**, Karin, Löwenstein [DK/DK]; Falkoner Allé 90, 4.06, DK-2000 Frederiksberg (DK). **SCHLYTER**, Jimmy, Hirschsprung [DK/DK]; Lindehegnet 30, DK-2670 Greve (DK). **MOESGAARD**, Hanne, Anette [DK/DK]; Rosagervej 12, DK-4720 Præstø (DK).

(74) Agent: **ALBIHNS A/S**; H.C. Andersens Boulevard 49, DK-1553 Copenhagen_V (DK).

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(54) Title: PARATHYROID HORMONE (PTH) CONTAINING PHARMACEUTICAL COMPOSITIONS FOR ORAL USE

(57) Abstract: A pharmaceutical composition for oral administration comprising PTH, wherein the *in vitro* release of PTH-when tested in a dissolution test of pharmacopoeia standard-is delayed with at least 2 hours and once the release starts, at least 90% w/w such as, e.g., at least 95% or at least 99% of all PTH contained in the composition is released within at the most 2 hours. The composition may also comprises a calcium containing compound and/or a vitamin, D. In particular, PTH is administered in combination with a calcium-containing compound for the treatment or prevention of bone-related diseases, so that I) an effective amount of a calcium-containing compound is administered to lower the plasma level of endogenous PTH, and II) an effective amount of PTH is administered to obtain a peak concentration of PTH once the endogeneous PTH level is lowered. This present a potential therapeutic or prophylactic regimen for bone-related disorders including osteoporosis.

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